

Claims

1. A container for an immunoassay in which the saturation adsorption amount of molecules used for the assay is 1×10^{-1} pmol/cm² or less.

2. A container for an immunoassay according to claim 1, wherein at least an inner surface of the container is formed from or coated with a highly hydrophilic polymer or a highly hydrophobic polymer.

3. A container for an immunoassay according to claim 1, wherein at least an inner surface of the container is formed from or coated with a highly hydrophilic polymer.

4. A container for an immunoassay according to claim 3, wherein the contact angle between the inner surface of the container and water is 30° or less.

5. A container for an immunoassay according to claim 3, wherein the contact angle between the inner surface of the container and water is 15° or less.

6. A container for an immunoassay according to claim 3, wherein the contact angle between the inner surface of the container and water is 1° or less.

7. A container for an immunoassay according to any one of claims 1 through 6, wherein the saturation adsorption amount of molecules used for the assay is 1×10^{-3} pmol/cm² or less.

8. A container for an immunoassay according to any one of claims 3 through 7, wherein at least an inner surface of the container is coated with an ultra-hydrophilic polymer.

9. A container for an immunoassay according to claim 8, wherein the ultra-hydrophilic polymer is selected from among a polyhydroxyalkyl methacrylate, a polyoxy(C₂-C₄ alkylene-group-containing methacrylate) polymer or a copolymer containing the polymer, polyvinyl pyrrolidone, and a phospholipid-polymer composite.

10. A container for an immunoassay according to claim 8, wherein the ultra-hydrophilic polymer is a (2-methacryloyloxyethylphosphorylcholine) polymer or a copolymer containing the polymer.

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11. (added) A container for an immunoassay according to any one of claims 2 through 8, wherein the highly hydrophilic polymer or the ultra-hydrophilic polymer is insoluble in water.

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11. (added) A container for an immunoassay according to any one of claims 2 through 8, wherein the highly hydrophilic polymer or the ultra-hydrophilic polymer is insoluble in water.